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Applicant Initiated Interview Request Form

Application No.: 10/662,293

First Named Applicant: Michel Doyon

Examiner: Kimbleann C Verdi

Art Unit: 2194

Status of Application: Pending

Tentative Participants:

(1) Alexandra Daoud

(2) Stephane Maurice

(3) Meriem Debbih

(4)

Proposed Date of Interview: August 30, 2011

Proposed Time: 1:00 PM (AM/PM)

Type of Interview Requested:(1) ☒ Telephonic(2) ☐ Personal(3) ☐ Video ConferenceExhibit To Be Shown or Demonstrated: ☒ YES☐ NO

If yes, provide brief description: Proposed Claim Amendment

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) Rej.	1-2	Baertsch, Wilt, Nabekura	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached☒ Proposed Amendment or Arguments Attached
Brief Description of Arguments to be Presented: Baertsch describes a hardware command dispatcher and is therefore fundamentally incompatible with a software command dispatcher. Wilt and Nabekura do not describe real-time command execution.

An interview was conducted on the above-identified application on August 30 and August 31,

NOTE: This form should be completed and filed by applicant in advance of the interview (see MPEP § 713.01). If this form is signed by a registered practitioner not of record, the Office will accept this as an indication that he or she is authorized to conduct an interview on behalf of the principal (37 CFR 1.32(a)(3)) pursuant to 37 CFR 1.34. This is not a power of attorney to any above named practitioner. See the Instruction Sheet for this form, which is incorporated by reference. By signing this form, applicant or practitioner is certifying that he or she has read the Instruction Sheet. After the interview is conducted, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible. This application will not be delayed from issue because of applicant's failure to submit a written record of this interview.


 Applicant/Applicant's Representative Signature

ALEXANDRA DAOUD

Typed/Printed Name of Applicant or Representative

55,992

Registration Number, if applicable

/KimbleAnn C. Verdi/

Examiner/SPE Signature

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 24 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PROPOSED CLAIM AMENDMENT

1. (Currently Amended) In a computer system, a method for providing improved real time command execution in a non real time operating system, comprising:
 - executing at least one application at a user mode level from at least one CPU running the non real time operating system;
 - having said at least one application at said user mode level determine a sequence to be followed for a set of commands;
 - providing from said at least one application said sequence of commands to a privileged mode of said non real time operating system to be executed in real time;
 - storing said sequence of commands in a command queue to be accessible from the privileged mode; and
 - initiating one at a time, using the at least one CPU and a software command dispatcher, execution of each of said commands from said stored sequence of commands.
2. (Original) The method as claimed in claim 1, wherein a plurality of sequences of asynchronous commands is provided, each sequence being related to a corresponding application thread, further wherein said storing said sequence of commands is performed in a corresponding queue from the execution of said corresponding application thread.
3. (Original) The method as claimed in claim 1, wherein a synchronous command is added to said sequence of commands, said at least one application sleeping until said synchronous command is executed.
4. (Original) The method as claimed in claim 2, wherein a synchronous command is added to said sequence of asynchronous commands, said corresponding application thread sleeping until said synchronous command is executed.
5. (Original) The method as claimed in claim 1, wherein said non real time operating system is Microsoft Windows and said storing said sequence of commands is performed through execution of a driver routine from a DLL file.

6. (Original) The method as claimed in claim 5, wherein said providing said sequence of commands involves said commands being pushed one at a time through a system call.
7. (Original) The method as claimed in claim 1, wherein at least one of said stored commands is a branch command to control the order of execution of said stored commands.
8. (Original) The method as claimed in claim 1, wherein said executing said commands from said stored sequence of commands is done at a different privileged mode level.
9. (Original) The method as claimed in claim 8, wherein said different privileged mode level is that of Interrupt Service Routine, whereby delay between the execution of successive commands is minimized.
10. (Original) The method as claimed in claim 9, wherein said non real time operating system is Microsoft Windows.
11. (Original) The method as claimed in claim 1, wherein said sequence of commands process a same data set.
12. (Original) The method as claimed in claim 11, wherein said same data set is a video camera image being captured and processed in real time.
13. (Original) The method as claimed in claim 1, wherein said providing said sequence of commands involves said commands being pushed one at a time through a system call.
14. (Original) The method as claimed in claim 1, wherein said storing said sequence of commands is performed through execution of a driver routine from a system file.